



CUT CALLBACKS WITH PROPER SPACING AND NAILING

Spacing Recommendations for APA Rated Sheathing, APA Rated Sturd-I-Floor, and APA Rated Siding

Plywood and other wood structural panels, like all wood products, will expand or shrink slightly with changes

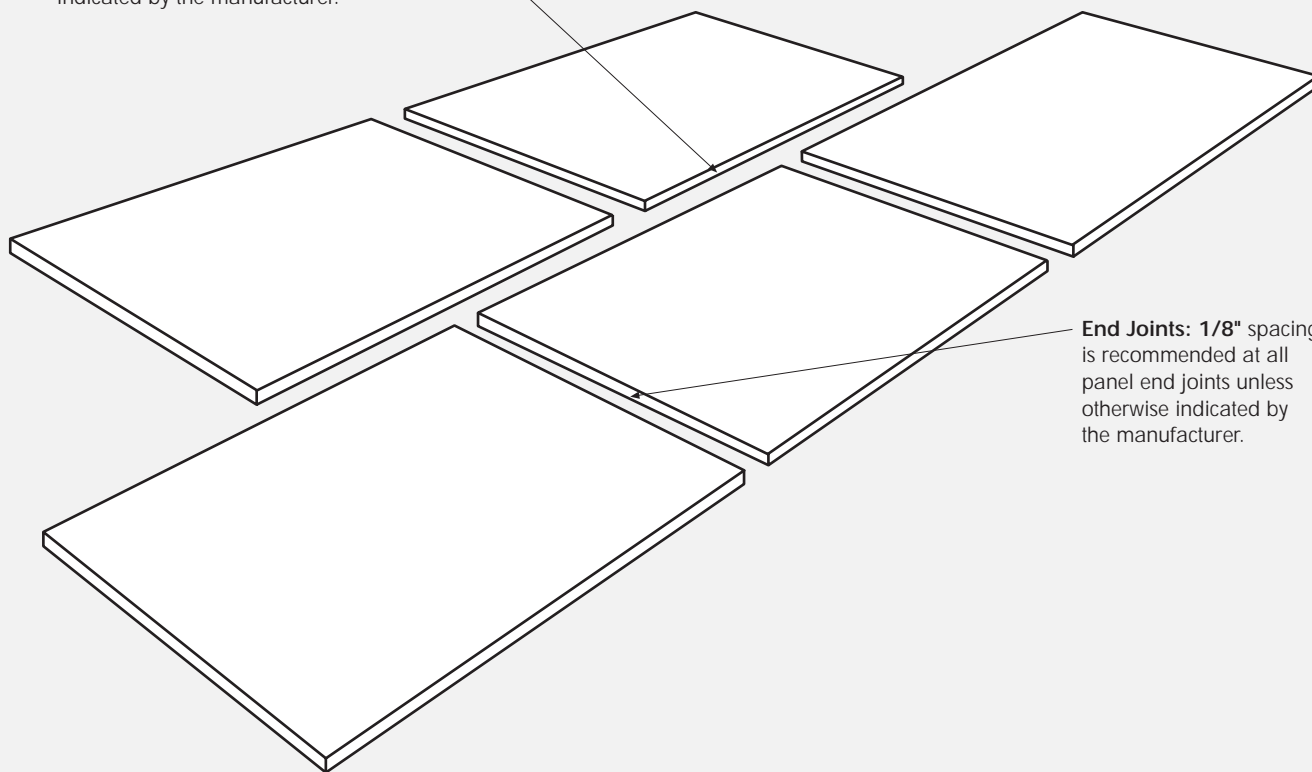
in moisture content. If expansion is prevented by tightly butted panel joints, buckling can occur. And that can mean costly, time-consuming callbacks. To assure best performance, follow these panel spacing and nailing recommendations.

Spacing Hint:

A 10d box nail may be used to gauge 1/8-inch spacing between panels. Spacer-type panel edge clips may also be used for roof sheathing applications.

See reverse side for nailing schedule.

Edge Joints: 1/8" spacing is recommended at all panel edge joints unless otherwise indicated by the manufacturer.



End Joints: 1/8" spacing is recommended at all panel end joints unless otherwise indicated by the manufacturer.

A P A

The Engineered Wood Association

NAILING RECOMMENDATIONS

Type of Panel	Recommended Nail Size & Type	Panel Edges	Intermediate Supports
APA Rated Sturd-I-Floor – Glue-nailed installation	Ring- or screw-shank nails		
STURD-I-FLOOR 16, 20, 24 oc, 3/4" thick or less	6d ^(a)	12"	12"
STURD-I-FLOOR 24 oc, 7/8" or 1" thick	8d ^(a)	6"	12"
STURD-I-FLOOR 32, 48 oc, 32" spans	8d ^(a)	6"	12"
STURD-I-FLOOR 48 oc, 48" spans	8d ^(b)	6"	6"
APA Rated Sturd-I-Floor – Nailed-only installation	Ring- or screw-shank nails		
STURD-I-FLOOR 16, 20, 24 oc, 3/4" thick or less	6d	6"	12"
STURD-I-FLOOR 24, 32 oc, 7/8" or 1" thick	8d	6"	12"
STURD-I-FLOOR 48 oc, 32" spans	8d ^(b)	6"	12"
STURD-I-FLOOR 48 oc, 48" spans	8d ^(b)	6"	6"
APA Rated Sheathing – Subflooring	Common smooth, ring- or screw-shank ^(c)		
7/16" to 1/2" thick	6d	6"	12"
7/8" thick or less	8d	6"	12"
Thicker panels	10d	6"	6"
APA Rated Sheathing – Wall sheathing	Common smooth, ring- or screw-shank or galvanized box ^(c)		
1/2" thick or less	6d	6"	12"
Over 1/2" thick	8d	6"	12"
APA Rated Sheathing – Roof sheathing	Common smooth, ring- or screw-shank ^(c)		
5/16" to 1" thick	8d	6"	12" ^(d)
Thicker panels	8d ring- or screw-shank or 10d common smooth	6"	12" ^{(d)(e)}
APA Rated Siding – Applied directly to studs or over nonstructural sheathing	Hot dipped galvanized box, siding or casing		
1/2" thick or less	6d	6"	12"
Over 1/2" thick	8d	6"	12"

(a) 8d common nails may be substituted if ring- or screw-shank nails are not available.
 (b) 10d common nails may be substituted if supports are well seasoned.
 (c) Other code-approved fasteners may be used.

(d) For spans 48" or greater, space nails 6" at all supports.
 (e) Additional fasteners may be required in high wind regions, for further information see APA Data File: Roof Sheathing Fastening Schedules for Wind Uplift, Form T325.

For complete plywood and other structural wood panel application recommendations, see APA's *Design/Construction Guide: Residential & Commercial*, Form E30.

For design recommendations for buildings with continuous panel runs of 80 feet or more, see APA *Technical Note: Temporary Expansion Joints for Large Buildings*, Form U425.

The product use recommendations in this publication are based on APA – The Engineered Wood Association's continuing programs of laboratory testing, product research, and comprehensive field experience. However, because the Association has no control over quality of workmanship or the conditions under which engineered wood products are used, it cannot accept responsibility for product performance or designs as actually constructed. Because engineered wood product performance requirements vary geographically, consult your local architect, engineer or design professional to assure compliance with code, construction, and performance requirements.

We have field representatives in most major U.S. cities and in Canada who can help answer questions involving APA trademarked products. For additional assistance in specifying APA engineered wood products, get in touch with your nearest APA regional office. Call or write:

WESTERN REGION

7011 So. 19th St. ■ P.O. Box 11700
 Tacoma, Washington 98411-0700
 (253) 565-6600 ■ Fax: (253) 565-7265

EASTERN REGION

2130 Barrett Park Drive, Suite 102
 Kennesaw, Georgia 30144-3681
 (770) 427-9371 ■ Fax: (770) 423-1703

U.S. HEADQUARTERS AND INTERNATIONAL MARKETING DIVISION

7011 So. 19th St. ■ P.O. Box 11700
 Tacoma, Washington 98411-0700
 (253) 565-6600 ■ Fax: (253) 565-7265

PRODUCT SUPPORT HELP DESK

(253) 620-7400
 E-mail Address: help@apawood.org

(Offices: Antwerp, Belgium; Bournemouth, United Kingdom; Hamburg, Germany; Mexico City, Mexico; Tokyo, Japan.) For Caribbean/Latin America, contact headquarters in Tacoma.

Form No. M300L
 Revised September 1999/0010

